

INFORMATION DISCLOSURE CITATION
 (Use several sheets if necessary)

Docket Number (Optional) **71974-49056** Application Number **077980416**
 Applicant(s) **Peter Monsen** **RECD P&T/PTO 30 NOV 2004**
 Filing Date **n/a** Group Art Unit **n/a**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DV.	AA	5,220,320	6/15/93	Assal et al	340	825.79	2/10/92
DV.	AB	5,590,399	12/31/96	Matsumoto et al.	455	33.3	2/23/95
DV.	AC	5,736,959	4/7/98	Patterson et al.	342	354	4/17/95
DV.	AD	5,987,037	11/16/99	Gans	370	480	11/16/99

FOREIGN PATENT DOCUMENTS

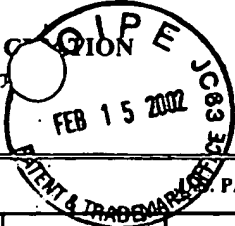
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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**SUPPLEMENTAL
INFORMATION DISCLOSURE**
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Docket Number (Optional) 1974-49056	Application Number 09/980,416
Applicant(s) Peter Monsen	
Filing Date November 30, 2001	Group Art Unit n/a

PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DV.	AA	4,112,370	9/5/78	Monsen	325	40	8/16/76
	AB	4,365,338	12/21/82	McRae et al.	375	12	6/27/80
	AC	4,644,562	2/17/87	Kavehrad et al.	375	14	8/28/85
	AD	5,680,419	10/21/97	Bottomley	375	347	8/2/94
DV.	AE	5,838,742	11/17/98	Abu-Dayya	375	347	10/17/96

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

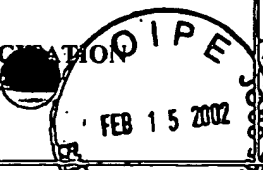
DV.	CA	"An Adaptive Receiver for Digital Signalling Through Channels With Intersymbol Interference", J.G. Proaxis and J.H. Miller, IEEE Transactions on Information Theory, Vol. IT-15, No. 4, July 1969, pp. 484-497.
DV.	CB	"MMSE Equalization of Interference on Fading Diversity Channels", P. Monsen, IEEE Conference on Communications, Conference Record, Vol. 1, Denver, CO, June 1981, pp. 12.2-1 - 12.2-5

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Filing Date November 30, 2001	Group Art Unit n/a

*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
dv	CC "Adaptive Equalization and Interference Cancellation for Wireless Communication Systems", B.C.W. Lo and K.B. Letaief, IEEE Transactions on Communications, Vol. 47, No. 4, April 1999, pp. 538-545.
	CD "Dynamic Channel Assignment in High-Capacity Mobile Communications Systems", D.C. Cox and D.O. Reudink, The Bell System Technical Journal, Vol. 50, No. 6, July-August 1971, pp. 1833-1857..
	CE "MMSE Equalization of Interference on Fading Diversity Channels", P. Monsen, IEEE Transactions on Communications, Vol. COM-32, No. 1, January 1984, pp. 5-12.
	CF "Linear Multiuser Detectors for Synchronous Code-Division Multiple Access Channels", R. Lupas and S. Verdu, , IEEE Transactions on Information Theory, Vol. 35, No. 1, January 1989, pp. 123-136.
	CG "Decorrelating Decision-Feedback Multiuser Detector for Synchronous Code-Division Multiple-Access Channel", A. Duel-Hallen, IEEE Transactions on Communications, Vol. COM-41, No. 2, Febraury 1993, pp. 285-290.
	CH "A Family of Multiuser Decision-Feedback Detectors for Asynchronous Code-Division Multiple-Access Channels", A. Duel-Hallen, IEEE Transactions on Communications, Vol. 43, No. 2/3/4, February/March/April 1995, pp. 421-434.
	CI "Information-Theoretic Considerations for Symmetric, Cellular, Multiple-Access Fading Channels-Part I", S. Shamai and A.D. Wyner, IEEE Transactions on Information Theory, Vol. 43, No. 6, November 1997, pp. 1877-1894.
	CJ "Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System, EIA/TI IS-95, 1992. (ABSTRACT ONLY)
	CK "Feedback Equalization for Fading Dispersive Channels", P. Monsen, IEEE Transactions on Information Theory, January 1971, pp. 56-64.
dv	CL Least Square Estimation with Application to Digital Signal Processing, A.A. Giordano and F.M. Hsu, John Wiley and Sons, New York, NY, 1985, Chapter 3.3.

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Substitute for form 1449A/B/PTO		Complete if Known	
		Application Number	09/980,416-Conf. #2934
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	February 4, 2002
		First Named Inventor	Peter Monsen
		Art Unit	2661
		Examiner Name	Not Yet Assigned
Sheet	1	of	2
		Attorney Docket Number	49056(71974)

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Dv.	CA	"An Algorithm For Reducing the Bandwidth and Profile of a Sparse Matrix", N.E. Gibbs, W.G. Poole, Jr., and P.K. Stockmeyer, Siam J. Numer. Anal., Vol. 13, No. 2, April 1976, pp. 236-250.	
	CB	"Blind Adaptive Multiuser Detection", M. Honig, U. Madhow, and S. Verdu, IEEE Transactions on Information Theory, Vol. 41, No. 4, July 1995, pp. 944-960.	
	CC	"Minimum Probability of Error for Asynchronous Gaussian Multiple-Access Channels", S. Verdu, IEEE Transactions on Information Theory, Vol. IT-32, No. 1, January 1986, pp. 85-96.	
	CD	"Decision Feedback Equalization for CDMA in Indoor Wireless Communications", M. Abdulrahman, A.U.H. Sheikh, and D.D. Falconer, IEEE Journal on Selected Areas in Communications, Vol. 12, No. 3, May 1994, pp. 698-706	
	CE	"Performance Analysis of Minimum Variance CDMA Receivers", M.K. Tsatsanis and Z. Xu, IEEE Transactions on Signal Processing, Vol. 46, No. 11, November 1998, pp. 3014-3022.	
	CF	"Blind Multiuser Detection: A Subspace Approach", X. Wang and H.V. Poor, IEEE Transactions on Information Theory, Vol. 44, No. 2, March 1998, pp. 677-690.	
	CG	"Adaptive Receiver Structures for Asynchronous CDMA Systems", P.B. Rapajic and B.S. Vucetic, IEEE Journal of Selected Areas in Communications, Vol. 12, No. 4, May 1994, pp. 685-697.	
	CH	"Channel Equalization for Block Transmission Systems", G.K. Kaleh, IEEE Journal on Selected Areas in Communications, Vol. 13, No. 1, January 1995, pp. 110-121.	
	CI	"On Multipath Channel Estimation for CDMA Systems Using Multiple Sensors," Sengupta et al., IEEE Transactions on Communications, Vol. 49, No. 3, March 2001, pp. 543-553.	
	CJ	"Adaptive Space-Time Feedforward/Feedback Detection for High Data Rate CDMA in Frequency-Selective Fading," J. Smee and S.C. Schwartz, IEEE Transactions on Communications, Vol. 49, No. 2, February 2001, pp. 317-328.	
	CK	"Tracking of Time-Varying Mobile Radio Channels--Part I: The Wiener LMS Algorithm," L. Lindbom, M. Sternad, and A. Ahlen., IEEE Transactions on Communications, Vol. 49, No. 12, December 2001, pp. 2207-2217.	
Dv.	CL	"Block Channel Equalization in the Presence of a Cochannel Interferent Signal," A. Ginesi, G.M. Vitetta, and D.D. Falconer, IEEE Journal on Selected Areas in Communications, Vol. 17,	

Examiner Signature		Date Considered	3/2/06
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Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	09/980,416-Conf. #2934
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	February 4, 2002
				First Named Inventor	Peter Monsen
				Art Unit	2661
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	49056(71974)
Sheet	2	of	2		

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		No. 11, November 1999, pp. 1853-1862.	
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